



Ultra High Efficient Orange Emitting Material for Organic Light-Emitting Devices

Product Specifications

LT-N772 PO-10

Grade Sublimed, > 99% (HPLC)

Absorption 460 nm (in CH₂Cl₂)

Photoluminescence 582 nm (in CH₂Cl₂)

HOMO/LUMO 5.4 eV/3.2 eV

Reference : Applied Mechanics and Materials, 2015, 748 57-61

Features

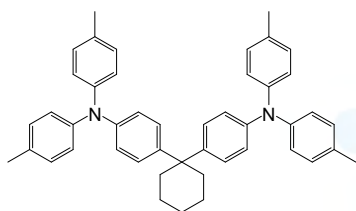
- On fabricating orange PHOLED by doping PO-10 with host as the emitter, the device achieved a high power efficiency of 66.0 lm/A and an external quantum efficiency of 33.9%.
- PO-10 also can be used for the solution process OLED, the device achieved a high power efficiency of 44.3 lm/W and an external quantum efficiency of 16.5%.

Device Application

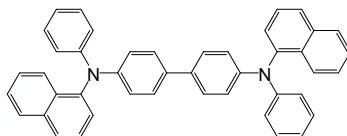
The Best Device :

ITO/PEDOT/TAPC(40 nm)/3wt% PO-10:NPB(15 nm)/TmPyPB(50 nm)/LiF(0.8 nm)/Al(120 nm)

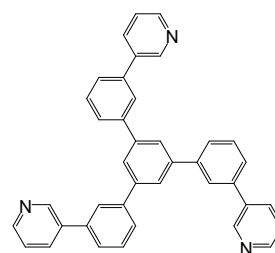
Related products from Lumtec :



LT- N137 TAPC



LT- N101 NPB



LT-N863 TmPyPB